

**LIHCH FE I 80 Cable**  
**0.14mm<sup>2</sup> to 2.50mm<sup>2</sup>**  
**LSZH-HFFR Sheath**

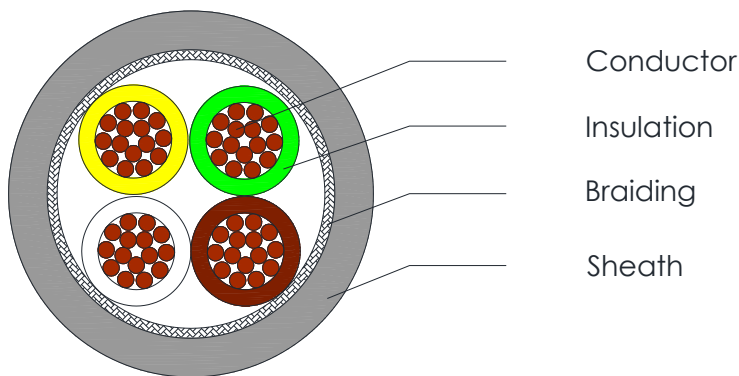


**C I 5044 TO C I 5096**

**Applications**

Can be used multifunctional in electronics of computer systems, electronic control equipment, office machines, balances, etc. Dry or damp rooms

**Cross Section Drawing**



**Design**

Unit	Properties
Conductor	Stranded bare copper wire
Insulation	Silicone Rubber Insulation color according to DIN47100
Cabling	Cores cabled together
Braiding	Tinned copper wire
Outer Sheath Material	LSZH-HFFR Standard Colour: Grey
Standard Put Up Length	305m

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

# LIHCH FE I 80 Cable

## 0.14mm<sup>2</sup> to 2.50mm<sup>2</sup>

### LSZH-HFFR Sheath



#### C I 5044 TO C I 5096

#### Electrical Characteristics at 20°C

Mutual Capacitance core to core (nF/km)	Mutual Capacitance core to rest (nF/km)	Inductivity (mH/km)	Min. Bending Radius		Temperature range (°C)	
			For Flexible use	Fixed Installation	Fixed Installation	Occasional flexing
120	160	0.65	15*OD	6*OD	-40 to +80	-5 to +70

#### Constructional Information

##### 0.14mm<sup>2</sup>

P/N	Cross Sectional Area (mm <sup>2</sup> )	Overall Diameter (mm)	Copper Index (kg/km)	Nom. Weight (kg/km)
C15044	2×0.14	3.90	12.0	20
C15045	3×0.14	4.10	13.0	28
C15046	4×0.14	4.30	14.3	33
C15047	6×0.14	4.90	18.2	38
C15048	8×0.14	5.80	21.2	56
C15049	10×0.14	6.10	28.5	66
C15050	12×0.14	6.30	30.4	78
C15051	16×0.14	7.00	43.0	90
C15052	20×0.14	7.70	53.9	100
C15053	25×0.14	8.50	63.0	120

##### 0.25mm<sup>2</sup>

P/N	Cross Sectional Area (mm <sup>2</sup> )	Overall Diameter (mm)	Copper Index (kg/km)	Nom. Weight (kg/km)
C15054	2×0.25	4.5	16	32
C15055	3×0.25	4.7	21	37
C15056	4×0.25	5.0	24	41.3
C15057	6×0.25	6.0	30	58
C15058	8×0.25	7.1	42	73
C15059	10×0.25	7.5	46	82
C15060	12×0.25	7.7	53	98
C15061	16×0.25	8.4	61	111
C15062	25×0.25	10.7	114	172

**LIHCH FE I 80 Cable**  
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**C 15044 TO C 15096**

**0.50mm<sup>2</sup>**

P/N	Cross Sectional Area (mm <sup>2</sup> )	Overall Diameter (mm)	Copper Index (kg/km)	Nom. Weight (kg/km)
C15063	2×0.50	5.6	29	47
C15064	3×0.50	5.9	38	55
C15065	4×0.50	6.3	43	70
C15066	6×0.50	7.6	59	104
C15067	8×0.50	8.7	70	120
C15068	12×0.50	9.6	99	177
C15069	20×0.50	12.1	149	276

**0.75mm<sup>2</sup>**

P/N	Cross Sectional Area (mm <sup>2</sup> )	Overall Diameter (mm)	Copper Index (kg/km)	Nom. Weight (kg/km)
C15070	2×0.75	6.0	38	53
C15071	3×0.75	6.3	49	65
C15072	4×0.75	7.0	58	79
C15073	5×0.75	7.6	67	109
C15074	10×0.75	10.5	130	187
C15075	12×0.75	10.8	154	218
C15076	18×0.75	13.0	195	327

**1.00mm<sup>2</sup>**

P/N	Cross Sectional Area (mm <sup>2</sup> )	Overall Diameter (mm)	Copper Index (kg/km)	Nom. Weight (kg/km)
C15077	2×1.00	6.3	43	72
C15078	3×1.00	6.8	56	90
C15079	4×1.00	7.3	68	109
C15080	5×1.00	8.0	79	126
C15081	8×1.00	9.5	126	200
C15082	10×1.00	11.1	140	228
C15083	12×1.00	11.4	168	259
C15084	18×1.00	13.4	252	389

**LIHCH FE180 Cable**  
**0.14mm<sup>2</sup> to 2.50mm<sup>2</sup>**  
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**C15044 TO C15096**

**1.50mm<sup>2</sup>**

P/N	Cross Sectional Area (mm <sup>2</sup> )	Overall Diameter (mm)	Copper Index (kg/km)	Nom. Weight (kg/km)
C15085	2×1.50	7.1	58	90
C15086	3×1.50	7.5	74	115
C15087	4×1.50	8.1	108	129
C15088	7×1.50	9.5	164	220
C15089	12×1.50	12.7	254	376
C15090	16×1.50	14.4	339	501

**2.50mm<sup>2</sup>**

P/N	Cross Sectional Area (mm <sup>2</sup> )	Overall Diameter (mm)	Copper Index (kg/km)	Nom. Weight (kg/km)
C15091	2×2.50	7.8	70	146
C15092	3×2.50	8.3	95	201
C15093	4×2.50	9.3	122	263
C15094	5×2.50	10.1	148	320
C15095	7×2.50	11.0	198	432
C15096	12×2.50	14.6	325	714

**Reference Standards**

IEC 60228	DIN 47100
EN 50290-2	IEC60754-1&-2
IEC 61034	IEC 60332-3-24
IEC 60331-11-21 E90	VDE 0472-814 Fire Resistant FE180
RoHS directives	